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<b>Form 1449 (modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Docket: 094/004D Supplemental 2      U.S.S.N. 09/872,183  Title: Making Neural Cells for Human Therapy or Drug Screening from Human Embryonic Stem Cells Inventors: Carpenter, et al.  Filing Date: May 31, 2001      Group: 1682
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**U.S. Patent Documents**

Examiner Initial	Ref.	Patent No.	Filing Date	Issue Date	Class/ Subclass	Inventors:	Title:
(none)							

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	Ref.	Document No.	Publ. Date	Jurisdiction	Title:	Translation
Am2	EA	WO 98/50526	Nov 12/98	PCT	Generation, Characterization, and Isolation of Neuroepithelial Stem Cells and Lineage Restricted Intermediate Precursor	n/a
Am2	EB	WO 99/01159	Jan 14/99	PCT	Lineage-Restricted Neuronal Precursors	n/a
Am2	EC	WO 99/28443	Jun 10/99	PCT	Lineage Restricted Glial Precursors from the Central Nervous System	n/a

**Other Documents**

Examiner Initial	Ref.	Author, Title, Date, Source
Am2	ED	Kalyani, A., et al., Cell Lineage in the Developing Neural Tube, Biochem. Cell Biol. 76:1051 (1998)
Am2	EE	Li, M., et al., Generation of Purified Neural precursors from Embryonic Stem Cells by Lineage Selection, Current Biol., Current Science 8:971 (1998)
Am2	EF	Mujtaba, T., et al., Lineage-Restricted Neural Precursors Can Be Isolated from Both the Mouse Neural Tube and Cultured ES Cells, Dev. Biol. 214:113 (1999)

Examiner <i>Anne-Marie Falk</i>	Date Considered <i>1/5/04</i>

1/23/02

Form 1449 (modified)	Docket: 094/004D Supplemental	U.S.S.N. 09/872,183
Information Disclosure Statement By Applicant	Title: Neural Progenitor Cell Populations Inventors: Carpenter, et al.	
(Use Several Sheets if Necessary)	Filing Date: May 31, 2001	Group: 1632

## U.S. Patent Documents

Examiner Initial	Ref.	Patent No.	Filing Date	Issue Date	Class/ Subclass	Inventors:	Title:
(none)							

## Foreign Patent or Published Foreign Patent Application

Examiner Initial	Ref.	Document No.	Publ. Date	Juris- diction	Title:	Translation	
						Yes	No
(none)							

## Other Documents

Examiner Initial	Ref.	Author, Title, Date, Source
Am2	DA	Lamb, T.M., et al., Neural Induction by the Secreted Polypeptide Noggin, Science 262:713 (1993)
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Am2	DC	Sasai, Y., et al., Regulation of Neural Induction by the Chd and Bmp-4 Antagonistic Patterning Signals in Xenopus, Nature 376:333 (1995)

Examiner <i>Anne-Marie Zalk</i>	Date Considered <i>1/5/04</i>

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (modified)	Docket: 094/004	U.S.S.N. To Be Assigned
Information Disclosed by Applicant	Title: Neural Progenitor Cell Populations	Inventors: Melissa K. Carpenter
(Use Several Sheets if Necessary)	Filing Date: May 31, 2001	Group: To Be Assigned

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U.S. Patent Documents

Examiner Initial	Ref.	Patent No.	Filing Date	Issue Date	Class/ Subclass	Inventors:	Title:
Am2	A	5,639,618	May 13/94	Jun 17/97	435/7.21	Gay DA	Method of Isolating a Lineage Specific Stem Cell in Vitro
	B	5,672,499	Jun 7/95	Sep 30/97	435/240.4	Anderson D et al.	Immortalized Neural Crest Stem Cells and Methods of Making
	C	5,698,829	Sep 5/97	Oct 19/99	435/467	Carpenter M	Human CNS Neural Stem Cells
	D	5,768,948	Nov 3/93	Jun 16/98	435/368	Gage FH et al.	Method for Production of Neuroblasts
	E	5,849,553	Jun 7/95	Dec 15/98	435/172.3	Anderson DJ et al.	Mammalian Multipotent Neural Stem Cells
	F	5,851,832	Jun 7/95	Dec 22/98	435/368	Weiss S. et al.	In Vitro Growth and Proliferation of Multipotent Neural Stem Cells and Their Progeny
	G	5,968,829	Sep 5/97	Oct 19/99	435/467	Carpenter M	Human CNS Neural Stem Cells
	H	5,981,165	Jun 7/95	Nov 9/99	435/4	Weiss S et al.	In Vitro Induction of Dopaminergic Cells
✓	I	6,040,180	May 7/97	Mar 21/00	435/377	Johe KK	In Vitro Generation of Differentiated Neurons From Cultures of Mammalian Multipotent CNS Stem Cells
Am2	J	6,238,922	Feb 26/99	May 29/01	435/380	Uchida N	Use of Collagenase in the Preparation of Neural Stem Cell Cultures

Foreign Patent or Published Foreign Patent Application

Examiner Initial	Ref.	Document No.	Publ. Date	Jurisdiction	Title:	Translation	
						Yes	No
Am2	K	WO 98/50526	Nov 12/98	PCT	Generation, Characterization, and Isolation of Neuroepithelial Stem Cells and Lineage Restricted Intermediate Precursor		
	L	WO 99/01159	Jan 14/99	PCT	Lineage-Restricted Neuronal Precursors		
	M	WO 99/04775	Feb 4/99	PCT	Method of Treating Dopaminergic and Gaba-Nergic Disorders		
	N	WO 00/17323	Mar 30/00	PCT	Stable Neural Stem Cell Lines		
✓	O	WO 00/47762	Aug 17/00	PCT	Enriched Central Nervous System Stem Cell and Progenitor Cell Populations, and Methods for Identifying, Isolating and Enriching for Such Populations		
Am2	P	WO 01/68815	Sep 20/01	PCT	Embryonic Stem Cells and Neural Progenitor Cells Derived Therefrom		

Examiner: Anne-Marie Falk	Date Considered: 1/5/04
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Form 1449 (modified)

Information Disclosure  
Statement By Applicant

(Use Several Sheets if Necessary)

Docket: 094/004

Title: Neural Progenitor Cell Populations  
Inventors: Melissa K. Carpenter

Filing Date: May 31, 2001

U.S.S.N. To Be Assigned

Group: ~~To Be Assigned~~

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## Other Documents

Examiner Initial	Ref.	Author, Title, Date, Source
Ama	Q	Andrews, et al., Retinoic Acid Induces Neuronal Differentiation of a Cloned Human Embryonal Carcinoma Cell Line in Vitro, Dev. Biol. 103:285 (1984)
	R	Bain, et al., Embryonic Stem Cells Express Neuronal Properties in Vitro, Dev. Biol. 168:342 (1995)
	S	Bain, et al., Retinoic Acid Promotes Neural and Represses Mesodermal Gene Expression in Mouse Embryonic Stem Cells in Culture, Chem. and Biophys. Res. Comm. 223:691 (1996)
	T	Bain, et al., Neural Cells Derived by In Vitro Differentiation of P19 and Embryonic Stem Cells, Perspectives Dev. Neurobio. 5:175 (1998)
	U	Bodnar, et al., Extension of Life-span by Introduction of Telomerase into Normal Human Cells, Science 279:349 (1998)
	V	Brustle, et al., In Vitro-Generated Neural Precursors Participate in Mammalian Brain Development, Proc. Natl. Acad. Sci. USA 94:14809 (1997)
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	X	Clarke, et al., Generalized Potential of Adult Neural Stem Cells, Science 288:1660 (2000)
	Y	Deacon, et al., Blastula-Stage Stem Cells Can Differentiate into Dopaminergic and Serotonergic Neurons after Transplantation, Exp. Neurol. 149:28 (1998)
	Z	Fralchard, et al., In Vitro Differentiation of Embryonic Stem Cells into Glial Cells and Functional Neurons, J. Cell Science 108:3181 (1995)
	AA	Kalyani, et al., Cell Lineage in the Developing Neural Tube, Biochem. Cell Biol. 76:1051 (1998)
	AB	Lee, et al., Efficient Generation of Midbrain and Hindbrain Neurons from Mouse Embryonic Stem Cells, Nat. Biotechnol. 18:675 (2000)
	AC	Li, et al., Generation of Purified Neural Precursors from Embryonic Stem Cells by Lineage Selection, Current Biology 8:971
	AD	Ling, et al., Differentiation of Mesencephalic Progenitor Cells into Dopaminergic Neurons by Cytokines, Exp. Neurol. 149:411 (1998)
	AE	Liu, et al., Embryonic Stem Cells Differentiate into Oligodendrocytes and Myelinate in Culture and After Spinal Cord Transplantation, PNAS 97:6126 (2000)
	AF	Mayer-Proschke, et al., Isolation of Lineage-Restricted Neuronal Precursors from Multipotent Neuroepithelial Stem Cells, Neuron 19:773 (1997)
	AG	McDonald, et al., Transplanted Embryonic Stem Cells Survive, Differentiate and Promote Recovery in Injured Rat Spinal Cord, Nat. Med. 5:1410 (1999)
	AH	Mujtaba, et al., Lineage-Restricted Neural Precursors Can Be Isolated from Both the Mouse Neural Tube and Cultured ES Cells, Dev. Biol. 214:113 (1999)
	AI	Okabe, et al., Development of Neuronal Precursor Cells and Functional Postmitotic Neurons from Embryonic Stem Cells In Vitro, Mechanisms of Dev. 59:89 (1996)
	AJ	Reubinoff, et al., Embryonic Stem Cell Lines From Human Blastocysts: Somatic Differentiation In Vitro, Nature Biotechnol. 18:399 (2000)
	AK	Shamblott, et al., Derivation of Pluripotent Stem Cells From Cultured Human Primordial Germ Cells, Proc. Natl. Acad. Sci. USA 95:13726 (1998)
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Amz	AN	Thomson, et al., Embryonic Stem Cell Lines Derived from Human Blastocysts, Science 282:1145 (1998)
	AO	Tropepe, et al., Autonomous Neural Cell Fate Specification in Mouse Embryonic Stem Cells - Abstract, Society for Neuroscience 25:527 (1999)
	AP	van Inzen, et al., Neuronal Differentiation of Embryonic Stem Cells, Biochimica et Biophysica Acta 1312:21 (1996)
	AQ	Wagner, et al., Induction of a Midbrain Dopaminergic Phenotype in Nurr1-overexpressing Neural Stem Cells by Type 1 Astrocytes, Nature Biotechnol. 17:653 (1999)
✓	AR	Yao, et al., Neuronal Differentiation of P19 Embryonal Carcinoma cells in Defined Media, J. Neuroscience Res. 41:792 (1995)
Amz	AS	Neural Implant Technologies, NeuroInvestment (Dec. 1999)

Examiner <u>Anne-Marie Zalk</u>	Date Considered <u>1/5/04</u>

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